

TTGTAATTATCTTCAATGTATGTCCAAAAAGTTAACCTTTTTTGGACCCCCACAATAG
AAATCTTTGAAATATTTAGCCATGTGTTGGCAAGCCATTCATATTTCTTTGCGGAGA
AACATGATCTATTGTGTCTTTTCGGATGCTTCTTCTATGTCTTCTTCTTCTTCTTCTT
CTTCTTCTTCTTCATTGACCACAATATTATCCAACTCAACTTAGGGTGCAAAATGGTGG
AATTTGAGACTTTGACGCANAGTCAGATGGTGCATGCTCTTTCATTACATTGGA
CATCATNTACTACCCTTTGAAGACCCTCGATCCATGGAAGGGTTAATTGGTG, SEQ ID
NO: 20083.

This sequence contains CTT dinucleotide repeats with a repeat unit of 11. Using the Primer 3 program, two primers are selected: SER157F GTGTCTTTCGGATGCTTCTTCT (SEQ ID NO: 20084) and SER157R CACCATTTTGCACCTAAGTTGA (SEQ ID NO: 20085). When these two primers are used to amplify genomic DNAs from eight different varieties, Minsoy, Noir, PIC, HS-1, A3244, H6686, A0868 and H5088, three alleles are detected. Sizes of these alleles ranged from 80 to 110 bp. The size variation in the PCR products result from repeat numbers in different varieties.

IN THE CLAIMS

Please cancel claims 1 and 2 without prejudice to pursuing the underlying subject matter.

Please enter the following amended claims:

3. (Once Amended) A transformed plant cell having a nucleic acid molecule which comprises:

(A) an exogenous promoter region which functions in said cell to cause the production of a mRNA molecule; which is linked to